<u>Program Description/Textbook or Print Instructional Material</u>

Vendor: Thomson Learning/Course Technology Web Address: www.course.com

Title: Visual Basic.NET Comprehensive Concepts and Techniques

Author: Shelly/Cashman   Copyright: 2003

ISBN: 0-7895-6549-8   Course/Content Area: Vocational and Career Education; Information
                                                          Technology Program; Programming

Intended Grade or Level: 9-12   Readability Level: 11.9   (Flesch-Kincaid)

List Price: 57.95   Lowest Wholesale Price: 43.00

All materials bid as of July 1, 2003 must be offered in an alternative format for students who require reading accommodations. A description of the levels of accommodation is included on p. 8-9 of this bid packet. The Kentucky Department of Education must receive a copy of the alternative format if the material is placed on the State Multiple List.

Level of Accomodations (Level One, Two or Three) Level Three

If Level Two or Three, please provide rationale for not meeting Level One Compliance   It is not financially feasible for our products to meet Level One at this time.

FEATURES

DISCLAIMER: The features of each book or program were developed by the publisher and do not reflect the opinion of the State Review Team, State Textbook Commission, nor of the Kentucky Department of Education.

<u>Content</u>

- Microsoft Visual Basic .NET Comprehensive Concepts and Techniques from the Shelly Cashman Series® will help you teach this new version of Visual Basic with confidence and will allow your students to learn this new version with ease.
- New, Comprehensive version is perfect for a full semester course on Visual Basic .NET.
- Object Oriented principles and terminology introduced early (1st chapter) and reinforced often.
- Each chapter builds a complete application using the 6 phases of the developmental cycle.

<u>Student Experiences</u>

- Integrated coverage of programming principles ensure that students understand the fundamentals of programming while learning the Visual Basic .NET programming environment.
- In-depth Programming, Homework, and Debug It exercises provide reinforcement for all concepts learned.

<u>Assessment</u>

Visual Basic .NET and the .NET framework are radical changes in the evolution of Microsoft Windows and Web-based application development. Microsoft Visual Basic .NET Comprehensive Concepts and Techniques from the Shelly Cashman Series® will help you teach this new version of Visual Basic with confidence and will allow your students to learn this new version with ease. Following the same proven step-by-step pedagogy of our Visual Basic 6.0 book, the transition to .NET will seem effortless. Featuring a streamlined design, the book includes a greater

emphasis on programming and coding, troubleshooting tips, and an updated and expanded Introductory chapter so students are sure to start with the basics.

<u>Organization</u>
Chapter 1: An Introduction to Visual Basic .NET and Program Design
Chapter 2: The Visual Basic .NET Integrated Development Environment
Chapter 3: Building an Application in the Visual Basic .NET Environment
Chapter 4: Working with Variables, Constants, Data Types, and Expressions
Chapter 5: Decision Making
Chapter 6: Repetition and Multiple Forms
Chapter 7: Using Menus, Common Dialogs, Procedures, Functions, and Arrays
Chapter 8: Debugging, Creating Executable Files, and Distributing a Windows Application
Chapter 9: Designing, Creating, and Using a Class
Chapter 10: Accessing Databases with ADO.NET, Handling Exceptions, and Printing
Chapter 11: Creating Web Applications and Writing Data to a Database
Chapter 12: Creating Console Applications, Understanding XML, and Creating Web Services

<u>Resource Materials</u>
Gratis Items To Be Provided And Under What Conditions
Instructor's Resource Kit (0-7895-6679-6) Free 1 per teacher

Available Ancillary Materials

RESEARCH DATA AND EVIDENCE OF EFFECTIVENESS

DISCLAIMER: The research data and evidence of effectiveness was provided by the publisher and does not reflect the opinion of the State Review Team, State Textbook Commission, nor the Kentucky Department of Education.

*NOTE: Please complete this section by indicating the research data and evidence of effectiveness or give a web site where the information is located. If there is no research data and evidence of effectiveness, please indicate **"not available"** in the space.*

Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool IT Programming

Title: Visual Basic.NET—Comprehensive Concepts and Techniques	**Cost: $ 43.00**

Publisher: Thomson Learning/Course Technology

Item Evaluated: Textbook

Copyright Date: 2003	**Evaluator: Scott Horan/David Davis**
Content Level: 9-12	**Date of Evaluation: 7/29/2003**

Level of Alternative Format	Level 1 – Full Compliance	Level 2 – Provisional Compliance	Level 3 – Marginal Compliance

This section completed by Exceptional Children Services

Overall Strengths and/or Weaknesses

Disclaimer: Comments on the strengths and/or weaknesses of each book, material or program were written by members of the State Textbook/Instructional Materials Review Team and reflect their opinions . They do not reflect the opinions of the State Textbook Commission nor the Kentucky Department of Education. In addition, the State Textbook/ Instructional Materials Review Team completed each evaluation form during the week of July 28-Aug. 1, 2003. In order to maintain the integrity of the of the review team's comments, editing was limited to spelling and punctuation.

Recommendations:
X Recommended by reviewers to State Textbook Commission
☐ Not recommended by reviewers to State Textbook Commission

Publisher's Explanation of Reviewer's Comments: By action of the State Textbook Commission, publishers are provided limited space, 150 words, to respond to what they may consider factual errors made by the reviewers in the evaluation.

Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool IT Programming

Title: Visual Basic NET—Comprehensive Concepts and Techniques	Publisher: ThomsonLearning/CourseTechnology
Technology Management Summary Data:	20 possible points	_____15_____ points earned
Technology Management Comments:		
Technology Presentation/Interface Summary Data:	40 possible points	_____34_____ points earned
Technology Presentation/Interface Comments:		
Content Summary Data:	36 possible points	_____32_____ points earned
Content Comments:		
Instruction & Management Summary Data	52 possible points	_____52_____ points earned
Instruction & Management Comments:		
Organization & Structure Summary Data	36 possible points	_____32_____ points earned
Organization & Structure Comments:		
Resource Material Summary Data	40 possible points	_____37_____ points earned
Resource Material Comments:		

Group V - Career /Technical & Vocational/Practical Living
Electronic Instructional Media Review Form—Visual Basic.NET: Comp. Concepts and Techniques
Stand Alone/Independent or Integrated Software for IT Programming

Equipment (circle or change fill color)	Grade Level (circle or change fill color)	Audience (circle or change fill color)	Format (circle or change fill color)	Cost: Included with text	
Windows	Primary	Individual	Stand Alone/Independent	_____single copy	_____site license
Macintosh	Intermediate	Small Group	**Integrated**	_____network version	_____school version
CD-ROM	Middle	Large Group	Supplemental	_____lab pack of ___ copies	**Support - online**
DVD	**High**		In lieu of basal test		
Sound					
Other					

If other, explain

Type of Software: Check all that apply	_____Simulation	**_____Management**	_____Interdisciplinary	**_____Problem Solving**	**_____Tutorial**
_____Exploratory	_____Creativity	**_____Drill and Practice**	_____Critical Thinking	_____Utility	**Tests—Other:**

Rating Scale:	3—Some of the time	1—None of the time
4—All or the time	2—Minimally	0— Not applicable

Management	Rating
Allows customizing for individual learning needs.	4
Allows students to exit and resume at a later time.	3
Keeps a students performance record, where needed.	4
Allows control of various aspects of the software (e.g., turning sound off).	0
Allows for printed reports.	4
Comments: A version of the CD with sound is available.	**Total 15**

Presentation/Interface	Rating
Presents material in an organized manner.	4
Has consistent, easy-to-use, on-screen instructions.	4
Has developmentally correct presentation format.	4
Adapts to different learning environments (learning styles/multiple intelligences, etc.)	4
Accessible for special needs students.	3
Runs smoothly, without long delays.	4
Presents easy-to-view text and graphics.	4
Presents easy-to-hear and understand sounds.	0
Avoids unnecessary screens, sounds, and graphics.	3
Provides immediate, appropriate feedback.	**4**
Comments: A version of the CD with sound is available.	**Total 34**

Content—IT Programming	Rating
Career Focus/Employability Skills/Workplace Readiness Skills	2
Customer Needs Analysis	2
Analysis of Programming Requirements	4
Develop Programming Structure	4
Design and Develop the Program	4
Implement Program Code	4
Test Program	4
Validate Program	4
Major Types of Programs: Visual Basic, Java, C++, etc.	4
Comments:	**Total 32**

Rating Scale:	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable

Instruction and Assessment	Rating
Identifies a Sense of Purpose	4
Builds on Student Ideals	4
Engages Students	4
Develops Computer Maintenance Ideas	4
Promotes Student Thinking	4
Assesses Student Progress	4
Enhances The Learning Environment	4
Reading level is appropriate for interest and ability level of intended student group; level remains consistent throughout.	4
Commonwealth Accountability Testing System (CATS) "like" Assessment is provided	4
Variety of Assessments (diagnostic, formative, summative, open response, multiple choice, individual, small group, oral, demonstrations, presentations, self and peer performance, portfolio prompts) is included.	4
Includes activities and opportunities for integration of technology.	4
Reflects researched-based practices (e.g. hands-on activities, technology, problem-solving situations)	4
Differentiation techniques and activities suggested.	4
Comments:	**Total 52**

Rating Scale:	3 – Some potential for learning	1 - Not present
4 – High potential for learning	2 – Little potential for learning	0 – Not applicable

Organization and Structure	Rating
Organization is logical and allows for spiraling of content.	4
Vocabulary and key terms are clearly defined and easily accessible within each lesson.	4
Visual illustrations (e.g. graphs, charts, models) and examples are clearly presented and content-related.	4
Illustrations and language reflect diversity (e.g. racial, ethnic, cultural, age, gender, disabilities).	0
Legible type, length of lines, spacing, and page layout and width of margins contribute to overall appearance and use.	4
Student materials seem durable and conducive to daily use.	4
Includes sufficient glossary, index and appendices.	4
Employs accurate grammar and spelling	4
Organization of material can be effectively used with Standards Based Units, Core Content and Program of Studies.	4
Comments: The page numbering system can be confusing to students and teachers alike.	**Total 32**

Resource Materials	Rating
Teacher materials coordinate easily with student materials (e.g. additional resources included at point of need, student pages shown, integration of technology indicated)	4
Activities are included that adapt to the various learning styles, intelligences, and interest/ability levels.	4
Extension activities including adaptations and accommodations for students with special needs.	4
Resources provide objectives, background information, common student errors, hints, advice for lesson implementation and real-world connections, connections with career and/technology and references (e.g. solution manuals, study guides)	4
Suggestions are made for integration of themes and /or interdisciplinary instruction.	4
Integration opportunities suggested and examples given.	4
Teacher resources are available online.	4
Online resources available – Repeat of information in text.	3
Online resources available – Practice skills only.	3
Online resources available – New application materials.	3
Comments:	**Total 37**

Rating Scale:	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable